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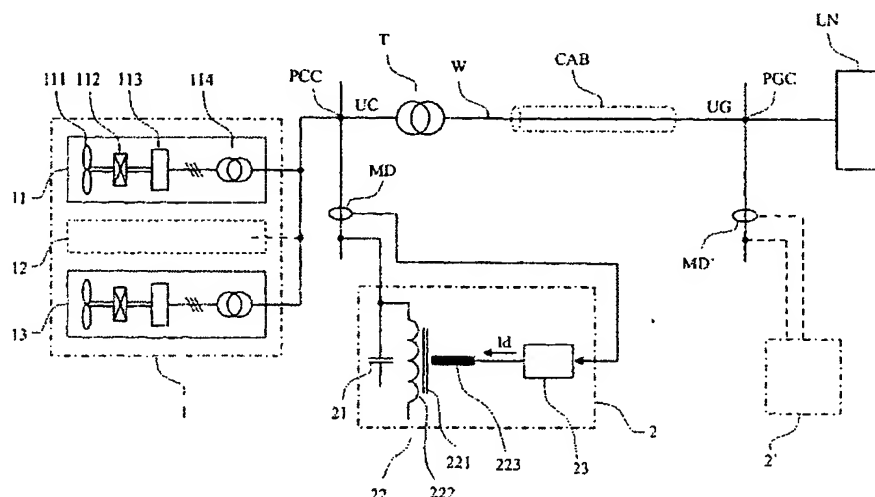
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(54) Title: **WIND POWER FED NETWORK**



(57) Abstract: An electric network for generation and transmission of electric power has a power generating part (1), a point of common connection (PCC) for the power generating part, a transmission link (T, W, CAB), a load network (LN), and a reactive power compensating means (2, 2'). The transmission link is coupled between the point of common connection and a grid connection point (PGC) at the load network, and the reactive power compensating means is coupled to transmission link. The power generating part comprises at least one wind turbine (111) with an electric generator (113) of induction type, coupled to the point of common connection, and the reactive power compensating means comprises a capacitor bank (21) and in parallel coupling to said capacitor bank a controllable inductor (22). The inductor has a magnetic core (221), a main winding (222) for alternating current, and a DC-control winding (223) for direct current (Id), said DC-control winding for control of the magnetic flux set up by the main winding via orthogonal magnetization of the core.

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